

SPECIFICATION

The specification has been amended in the attached replacement pages to correct the objections of the Office Action. For ease in reviewing the specification, the following changes were made:

- - page 2, lines 12-13 were amended to read “~~eomprising driver means~~ for imparting translational movement to a member, ~~the driver means~~ comprising a motor driven unthreaded shaft, at least one bearing...” - -

- - page 3, lines 2-3 were amended to read “assembly ~~eomprising driver means~~ for imparting translational movement to a syringe plunger, ~~the driver means~~ comprising a motor driven unthreaded shaft, at least one...” - -

- - page 5, second paragraph was amended to read “The assembly may be ~~provided with means for manually disengaging disengaged from~~ one or more of the bearings to enable the bearings and/or carriage to slide with respect to the shaft. The middle bearing may be spring loaded with respect to the shaft whereby operation of the spring mechanism disengages the middle bearing from the shaft or manual disengagement may be caused by movement of a casing that carries one or more of the bearings in a direction transverse to the shaft, for example by ~~means of~~ a cam and lever. ~~The carriage or actuator may be provided with a means for operation of the spring or cam.”~~ - -

- - page 5, lines 14-16 were amended to read “Alternatively, the assembly may be provided ~~with automatic means for reversing to automatically reverse~~ the direction of travel of the carriage and actuator. For example, the ~~means assembly~~ may be provided to ~~automatically~~ reverse the angel of inclination of the bearings with respect to the shaft...”- -.

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- -page 5, line 20 was amended to read “Preferably, ~~means is provided to the assembly~~
may detect any backward pressure exerted on the...” - -

- -page 6, line 1 was amended to read “Additionally, ~~means may be provided for allowing~~
~~calibration of the system~~ may be automatically calibrated...” - -

- -page 8, line 14 was amended to read “The rotary motion of the shaft is converted into
linear motion by ~~means of~~ the ...” - -

- -page 10, lines 7-8 were amended to read “This is achieved by disengagement of the
middle bearing 27 from the shaft by ~~means of~~ a push spring mechanism 40 (see Figures 2 to 5)
which enables the bearings to...” - -

- -page 10, paragraph three was amended to read “Alternatively, the assembly may be
provided ~~with~~ means for ~~the automatic reversal of~~ automatically reversing the carriage and
actuator without changing the direction of rotation of the shaft. This may be achieved by
~~providing~~ means whereby reversing the angle of inclination of the bearings relative to the shaft is
reversed, i.e., the positioning of the bearings with respect to the shaft is altered to its
corresponding mirror image.” - -

- -page 12, line 7 was amended to read “moving a plunger through a syringe barrel.
Rotation of the cam 500 by ~~means of~~ a lever ...” - -

- -page 12, line 10 was amended to read “amount of force applied to the middle bearing
can be adjusted by ~~means of~~ the spring...” - -

It should be noted that Applicant has incorporated paragraph numbers on the replacement
pages

No new matter has been added.